

ABSTRACT

The present invention relates to hydrophilic *Eimeria* polypeptides, DNA-fragments encoding those peptides, recombinant DNA molecules comprising such DNA-fragments, live recombinant carriers comprising such DNA-fragments or recombinant DNA molecules and host cells comprising such DNA-fragments, recombinant DNA molecules or live recombinant carriers. Furthermore, the invention relates to antibodies against the polypeptides and to coccidiosis vaccines based upon said polypeptides. The invention also relates to methods for the preparation of such antibodies and vaccines, and to methods for the detection of *Eimeria* parasites and antibodies against *Eimeria* parasites.